



KDS-8

Zero Latency 4K HDR SDVoE Video Streaming Transceiver over Copper

| Ethernet - RJ-45 | 4K/60 UHD (4:4:4)



KDS8 is a highperformance, zero latency, 4K@60Hz (4:4:4) video streaming transceiver for streaming via Ethernet over copper cable. KDS8 can be set as either an encoder or decoder. As an encoder, it encodes and streams the HDMI input along with IR, RS232, and analog audio, over an IP network. As a decoder, it receives the encoded signal and decodes it for output

FEATURES

High-Performance Video Streaming Transceiver - Streams up to 4K@60Hz (4:4:4) resolution signals over a 10G network interface, providing lossless compression

Maximum Compatibility - Fully standard and compliant SDVoE™ codec, enables compatibility with other software and hardware streaming platforms

HDCP 2.2 Compliant, HDR Support, Genlock and Fastswitch Modes Support

High-Speed 10G Network Switch - Managed switch provides: multicast, jumbo frames, IGMP snooping and fast leave

Analog Audio Embedding - Provides an unbalanced analog audio port for embedding audio into the streaming signal

Bi-directional IR over IP - Control an IR device located on the decoder side from the encoder and vice versa

Bi-directional RS-232 over IP - Control a serial device located on the decoder side from the encoder and vice versa

Video Wall Support

Multiview Support

Easy, Cost-Effective Maintenance - LED indicators for main power, Tx/Rx mode setting, HDMI video source detection, and Tx and Rx transmission enable easy local maintenance and troubleshooting

Simple System Management - Remote system management support to enable quick and efficient remote system and device lifecycle management



TECHNICAL SPECIFICATIONS

Inputs	1 HDMI: On a female HDMI connector 1 IR: On a 3.5mm mini jack
Outputs	1 HDMI: On a female HDMI connector 1 IR: On a 3.5mm mini jack
Ports	1 10GbE Ethernet: On an R-J45 connector 1 Unbalanced Stereo Audio: On a 3.5mm mini jack 1 1GbE Ethernet: On an R-J45 connector 1 RS-232: On a 3-pin terminal block connector
Video	Standards Compliance: 10/12bit HDR (PointtoPoint and Genlock mode only), HDCP 2.2 &1.4, DVI 1.0,
Extension Line	Signal Compression: Ultralight compression, lossless for most content Range: Up to 100m in pointtopoint mode
Audio	Standards Compliance: Supports passthrough of audio formats including LPCM 2.0/5.1/7.1, Bitstream and HD Bitstream from HDMI sources
POWER:	
Power	Source: 12V DC Consumption: 3A
Environmental Conditions	Operating Temperature: 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing Storage Temperature: -20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing Humidity: 10% to 90%, non-condensing
Product Dimensions	23.10cm x 11.60cm x 2.50cm (9.09" x 4.57" x 0.98") W, D, H
Product Weight	0.5kg (1.1lbs) approx
Shipping Dimensions	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
Shipping Weight	1.2kg (2.6lbs) approx

